

**SPONSOR**

Delta Stewardship Council

**RECORD TYPE**

Project

**PROGRAM OVERSEEING EFFORT**

Delta Science Program

**REFERENCE NUMBER**

N/A

**CONTRACT NUMBER**

1469

**STATUS**

Active (0%)

**TARGET DATES**

**Start** 6/16/2016

**End** 6/30/2019

**FUNDING**

**Total Proposed Funding**

\$1,500,000

**Total Actual Funding**

\$0

**Fund Sources**

**Budget Reference**

Delta View ID: DSC\_311

**Salmon Tagging Study**

This project will establish a state-of-art network of tag detecting receiving stations throughout the southern Delta. The investigators will tag and release during each of 2 years at the head of the Delta a sample of 500 spring-run smolts, from those raised in a hatchery for release below Friant Dam to repopulate the San Joaquin River. The migrating fish will be detected as they pass the array of paired real-time monitors, and the detection information will be transmitted to a server and be displayed on a website. Critical sites will be equipped with sensors that record water speed, temperature, salinity, and dissolved oxygen. This study will enable fisheries managers to make decisions on a daily basis rather than waiting over a year for survival estimates. This is an ideal opportunity to examine the response of the salmon run to a range of drought and wet conditions. Hence, the study is germane to the very dynamic climactic conditions that exist in Central California and address the role of predation in the South Delta.

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### ALIGNMENT WITH THE DELTA PLAN

**GOAL**

Protect, Restore, and Enhance the Delta Ecosystem

**CORE STRATEGY**

:

***PERFORMANCE MEASURE(S)***

### ALIGNMENT WITH THE DELTA SCIENCE PLAN

**Chapter 4**

Section 4.1, Funding research

**COORDINATING BODIES**

N/A

**TYPE**

Research/Study

**HYDROLOGIC REGION(S)**

Delta

**TOPICS**

Fish, Salmonids

